

Bio

Mark A. Shannon is the Director of the NSF STC *WaterCAMPWS*, which is a multiple university and government laboratory center for advancing the science and engineering of materials and systems for revolutionary improvements in water purification for human use. He is also the Director of the *Micro-Nano-Mechanical Systems (MNMS) Laboratory* at the *University of Illinois at Urbana-Champaign*, a 2000 sq. ft class 10 and 100 cleanroom laboratory devoted to research and education in the design and fabrication of micro- and nanoelectromechanical systems (MEMS & NEMS), microscale fuel cells and gas sensors, high-temperature microchemical reactors, micro-nanofluidic sensors for biological fluids. He chaired the Instrument Systems Development Study Session for the National Institutes of Health. He is the James W. Bayne Professor of Mechanical Engineering, and received his B.S. (1989) M.S. (1991) and Ph.D. (1993) degrees in Mechanical Engineering from the *University of California at Berkeley*. He received the NSF Career Award in 1997 to advance microfabrication technologies, the Xerox Award for Excellence in Research (2004), the Kritzer Scholar (2003-2006), the Willet Faculty Scholar (2004-2007), and received the BP Innovation in Education Award in 2006.